
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**
*(use as many sheets as necessary)*

Sheet	1	of	34	Attorney Docket Number	
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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
JK		3,253,884		Jung, et al.	05-31-1966	
		3,462,622		Cann et al.	08-1969	
		4,000,036		Ensley	12-1976	
		4,095,118		Rathbun	06-1978	
		4,149,931		Christensen	04-1979	
		4,155,712		Taschek	05-22-1979	
		4,202,004		Anderson	05-1980	
		4,337,126		Gilligan, III et al.	06-29-1982	
		4,353,871		Bartilt, et al.	10-12-1982	
		4,464,990		Bendler	08-14-1984	
		4,488,490		Betts	12-18-1984	
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		4,792,725		Levy et al.	12-1988	
JK		4,808,286		Angelo, II	02-28-1989	
		4,957,727		Bogdanovic	09-18-1990	
JK		5,273,635		Gernert	12-28-1993	
JK		5,449,434		Hooke et al.	09-1995	
JK		5,577,090		Moses	11-1996	

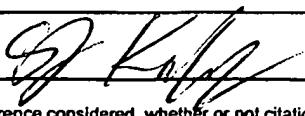
Examiner Signature	<i>JKR</i>	Date Considered	<i>12/11/07</i>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/110,717
				Filing Date	07/07/1998
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	2	of	34	Attorney Docket Number	100-113

U.S. PATENT DOCUMENTS					
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		Number	Kind Code <sup>2</sup> (if known)		
		5,593,640		Long, et al.	01-14-1997
		5,669,975		Ashtiani	09-1997
		5,761,481		Kadoch et al.	06-1998
		5,789,744		Spence, et al.	08-04-1998
		5,801,971		Ohta	09-1998
		5,819,073		Nakamura	10-1998
		5,838,760		Moses	11-1998
		5,864,322		Pollon et al.	01-1999
		5,883,005		Minton et al.	03-1999
		5,888,414		Collins et al.	03-1999
		5,969,470		Druz et al.	10-1999
		6,024,935		Mills, et al.	02-15-2000
		6,064,154		Crouch et al.	05-2000
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		6,150,755		Druz et al.	11-2000
JK		6,151,532		Barone et al.	11-2000

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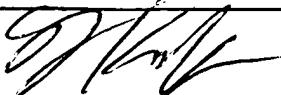
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<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite N. o.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		
JK		WO	99/05735	A1	Mills	03-04-1999
		WO	99/26078	A1	Mills	5-27-1999
		WO	99/34322	A1	Mills	7-8-1999
		WO	99/35698	A3	Mills	07-15-1999
		WO	00/07931	A1	Mills	02-17-2000
		WO	00/07932	A2	Mills	2-17-2000
		WO	00/25320	A1	Davies	05-04-2000
		WO	01/095944	A2	Mills	12-20-2001
		WO	01/18948	A1	Mills	3-15-2001
		WO	01/21300	A2	Mills	03-29-2001
		WO	01/22472	A2	Mills	3-29-2001
JK		WO	01/70627	A3	Mills	08-27-2001
JK		WO	02/08787	A2	De Geus	01-31-2002

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
JK		WO	02/087291	A2	Mills	10-31-2002		
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		WO	02/16956	A1	Mills	2-28-2002		
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		WO	03/066516	A2	Mills	8-14-2003		
		WO	04/092058	A2	Mills	10-28-2004		
		WO	05/041368	A2	Mills	10-6-2005		
		WO	05/067678	A2	Mills	7-28-2005		
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JK		JP	2002008892A		Shimazu	01-2002		

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				Application Number	09/110,717
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
SK		S. Aaronson, "Hydrino Theory: Which Overturns Quantum Theory, Is in Turn Overturned by Doofusino Theory," <http://www.scottaaronson.com/writings/doofusino.html> (No MARCH)			
SK		"Atomic Physics Progress Report 1995-1996" (internet page) atompc2.fysik.lth.se/AFDOCS/Progres956/contents.asp (author and date unknown)			
SK		"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)			
SK		Baard, Erik. "The Empire Strikes Back." <i>The Village Voice</i> , April 26-May 2, 2000			
SK		Baard, Erik. "Quantum Leap." <i>The Village Voice</i> , Dec 22-28, 1999.			
		Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." Dow Jones Newswires, Oct 6, 1999. CITED IN FNL #17			
SK		Baard, Erik, "Hydrino Theorist Gets Nod From NASA-Funded Investigation Eureka?", <i>The Village Voice</i> , Dec. 6, 2002			
SK		Barmann et. al. "Spatially and Temporally Resolved Studies of the Electron Density in Liquid Streamers by Emission Spectroscopy" (internet page) atompc2.fysic.lth.se/AFDOCS/Progres956/5al.htm (Atomic Physics Progress Report) (1995-1996) (MARCH 1997)			
SK		R. W. Bass, "Email from Bob Bass to Randell Mills," August 6, 2000.			
		Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407. (No MARCH)			
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SK		"The Biggest Venture Capital Conference of the Year is Quickly Approaching," Special to Evening Bulletin 09/29/2006, < <a href="http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&amp;BRD=2737&amp;PAG=461">http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&amp;BRD=2737&amp;PAG=461</a>			
SK		"Blacklight Power - do they have something significant?" (internet page) <a href="http://www.phact.org/e/blp.htm">www.phact.org/e/blp.htm</a> (author and date unknown)			
		Blacklight Power, Inc., "Second Shareholder Newsletter '97" <a href="http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html">http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html</a>			
SK		Blochinzew, <i>Grundlagen Der Quantenmechanik</i> , Veb Deutscher Verlag Der Wissenschaften, 1967			
		Benifase, et. al. "Calorimetry for a Ni/K <sub>2</sub> CO <sub>3</sub> Cell," AECL Research, June 1994			
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994			
SK		Brewer, Shelby T. Book review of "The grand Unified Theory of Classical Quantum Mechanics (Hardcover) by Randell L., Dr. Mills." (internet page) <a href="http://www.amazon.com/gp/product/product-description/0963517139/ref=dp_proddesc_0/103-5711659-8507030">http://www.amazon.com/gp/product/product-description/0963517139/ref=dp_proddesc_0/103-5711659-8507030</a> (date unknown)			
		Carolina, et. al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product-Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i> , Vol 100, 1996, pp. 17866-17872			
		ALREADY OF RECORD AS DERY ET AL. SEE PAPER #33			
		Chemistry Course Listings in MIT OpenCourseWare. MIT 2005. <a href="http://ocw.mit.edu/Ocw/Web/Chemistry/index.htm">http://ocw.mit.edu/Ocw/Web/Chemistry/index.htm</a>			
		The Chemistry of Halogens, <a href="http://chemed.chem.psu.edu/genchem/topicreview/bp/ch10/group7.html">http://chemed.chem.psu.edu/genchem/topicreview/bp/ch10/group7.html</a>			
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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Col. No.	Date	T <sup>2</sup>
SK		CiteSeer, "Citations: Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy 26 (4) 2001, pg. 309-326		(A62)	(NO DATE)
		Clark, et. al. "Excess Energy Cell Final Report," April 1995.			
		Collins, "Selling the Free Lunch," Scientific American, (Nov, 2002)			
SK		Conrads, et. al. "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", Plasma Sources Science and Technology, submitted.		(NO DATE)	
SK		Conversion Table cgs/Si-Units. <a href="http://www.plasmaphysics.org.uk/convers.htm">www.plasmaphysics.org.uk/convers.htm</a>		(NO DATE)	
SK		Directory: Blacklight Power, From PESWiki "A Top 100 Energy Technology." < <a href="http://peswiki.com/index.php/Directory:Blacklight_Power">http://peswiki.com/index.php/Directory:Blacklight_Power</a> >		(NO DATE)	
SK		Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." Nature, Vol 395, September 3, 1998, pp. 33-37.			
SK		EarthTech Reports, <a href="http://www.earthtech.org/experiments/blp/prelim.html">http://www.earthtech.org/experiments/blp/prelim.html</a>		(DEC/1997)	
SK		EarthTech Reports, <a href="http://www.earthtech.org/experiments/mills/mills1.html">http://www.earthtech.org/experiments/mills/mills1.html</a> "Attempt to Observe Excess Heat in a Ni-H <sub>2</sub> O-K <sup>2</sup> CO <sub>3</sub> Electrolysis System-9OCT97"		(OCT/1997)	
SK		Evans Analytical Group, <a href="http://www.cca.com/tech.htm#esca1">http://www.cca.com/tech.htm#esca1</a>			
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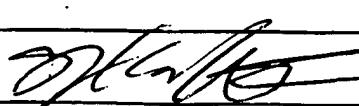
## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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SK		Evans, et. al. "XPS/ESCA Results." CE & A Number 44545, Nov 1994.	(NO MONTH)
SKC		EVANS Analytical Group. Product Descriptions: Time-of-Flight Secondary Mass Spectrometry (TOF-SIMS) and X-Ray Photoelectron Spectroscopy (XPS) Electron Spectroscopy for Chemical Analysis (ESCA). (no date or author listed)	(NO MONTH)
		E-mail to Examiner Wayner from Jeffrey A. Simenauer, dated _____	(NO MONTH)
SK		Fan et al., "X-ray photoelectron spectroscopy studies of CVD diamond films", <i>Surface and Interface Analysis</i> , 34:703-707, 2002	(NO MONTH)
SK		Fischer. "Die optische Absorption der U <sub>2</sub> -Zentren in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , Vol 131, 1952, pp. 488-504.	(NO MONTH)
SK		M. Fowler, "The Lorentz Transformation," UVa Physics 252, <http://galileo.phys.virginia.edu/classes/252/lorentztrans.html>	(NO DATE)
SK		Fuchs and Peres. "Quantum Theory Needs No 'Interpretation'." <i>Physics Today</i> , March 2000, p. 70.	
		Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc.	
SKC		Gottfried, "Quantum electrodynamics: Matter all in the mind", (internet page) www.nature.com/cgi-taf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html, 2002	(NO MONTH)
		Gulyaev "Gigantic Atoms in Space" (internet page) www.astronomy.org.nz/events/month...reviews/2001/gigantic_atoms_in_space.htm (date unknown)	
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		<del>Hansen, et. al. "Faradaic efficiencies less than 100% during electrolysis of water can account for excess heat in 'cold fusion' cells," J. of Physical Chem., Vol. 99, No. 18 (1997) pp. 6973-6979 (Paper I).</del>			
		<del>The Harvard Crimson News: Academics Question the Science Behind Blacklight Power, Inc." &lt;http://www.the.crimson.com/printfriendly.aspx?ref=100939&gt;</del>			
		<del>Haus. "On the radiation from point charges." American Journal of Physics, Vol 54, No 12, December 1986. Pp. 1126-1129.</del>			
		<del>He-II in Solar Spectrum</del>			
<i>SK</i>		<del>Hines, "Scientific Mistakes: N-rays and Polywater", <i>Pseudoscience and the Paranormal</i>, Prometheus Books, 1988, pp. 8-13</del> <i>(No Date)</i>			
		<del><a href="http://omm.hut.fi/epics/1_0/2004/luennot/spectroscopy.pdf">http://omm.hut.fi/epics/1_0/2004/luennot/spectroscopy.pdf</a></del>			
		<del><a href="http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.htm">http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.htm</a></del>			
<i>SK</i>		<del>"Hydrino Theory," &lt;http://en.wikipedia.org/wiki/hydrino_theory&gt;</del> <i>(No Date)</i>			
<i>SK</i>		<del>"The Hydrogen Atom," &lt;http://www.physics.nmt.edu/~raymond/classes/ph13xbook/node208.html&gt;</del> <i>(No Date)</i>			
<i>SK</i>		<del>Hydrogen News 1999 &lt;http://www.ch2bc.org/bulletin/bulletin19991112.htm&gt;</del> <i>(Nov 1999)</i>			
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		INRS-Energie et Matériaux XPS facility, <a href="http://goliath.inrc-ener.quebec.ca/tour/">http://goliath.inrc-ener.quebec.ca/tour/</a>			
		CITED IN PAPER # 20050216			
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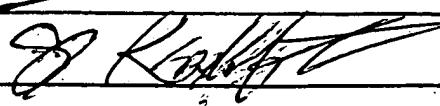
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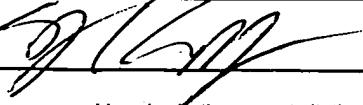
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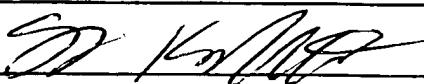
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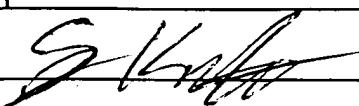
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		67. Mills et al. "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," J. Phys. D, Vol. 36, (2003), pp. 1535-1542. (Internet Publication Date: July 17, 2002)	
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		63. Mills et al., "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry," Thermochimica Acta, Vol. 406, Issue 1-2, (2003), pp. 35-53. (Internet Publication Date: June 25, 2002.)	
		62. Mills et al., "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride," Inorganica Chimica Acta, submitted.	
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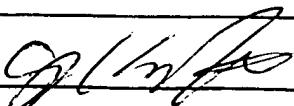
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First Named Inventor	Mills
Group Art Unit	1745
Examiner Name	Kalafut

Attorney Docket Number

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		50. Mills et al., "Synthesis of HDLC Films from Solid Carbon," Journal of Materials Science, Vol. 39, (2004), pp. 3309-3318. (Internet Publication Date: May 3, 2002.)
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		57. Mills, et. al. "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy-State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, J. of Quantitative Spectroscopy
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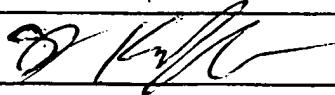
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		41. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", <i>International Journal of Hydrogen Energy</i> , submitted. (Internet Publication Date: January 7, 2002.)			
		43. Mills et al., "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen," <i>New Journal of Physics</i> , www.njp.org, Vol. 4, (2002), pp. 22.1–22.17. (Internet Publication Date: Dec. 27, 2001.)			
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		36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," Vacuum, submitted. (Internet Publication Date: Oct. 9, 2001.)			
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		12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.)			
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PTO/SB/08B (Modified)

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SK		Mills, "Author's response 'A possible trick of Hydride atom,'" <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225. (No Month)			
SK		Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01			
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Examiner	<i>SK Hoff</i>			Date	12/11/01

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/110,717
		Filing Date	7/7/98
		First Named Inventor	Mills
		Group Art Unit	1745
		Examiner Name	Kalafut
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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SK		ABELÈS, Ed., Chapter 9, "Structure of Trapped Electron and Trapped Hole Centers in Alkali Halides 'Color Centers'", <i>Optical Properties of Solids</i> , 1972, pp. 718-754, North-Holland Publishing Company, Amsterdam	
SK		DELBECQ <i>et al.</i> , "Pragmatic Resonance Investigation of Irradiated KCl Crystals Containing U-Centers", <i>Phys. Rev.</i> , Nov. 1, 1956, 104, pp. 599-604	
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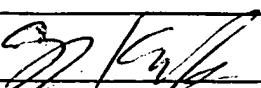
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SK		FISCHER, "Die optische Absorption der U <sub>2</sub> -Zentren in Alkalihalogeniden des BaCl-Typs", Zeitschrift für Physik, 1967, 204, pp. 351-374	
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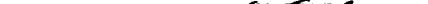
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